

**INFORMATION DISCLOSURE  
CITATION FORM FOR  
PATENT APPLICATION  
(FORM PTO-1449)  
(Substitute)**

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Applicant(s): Ryhanen

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Group: 2836

**U.S. PATENTS**

Initials	Patent Number	Issue Date	Name	Class	Sub-class	Filing date
	4,959,515	9/25/90	Zavracky et al.	200	181	2/6/87
	5,638,946	6/17/97	Zavracky	200	181	1/11/96
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**U.S. PATENT PUBLICATIONS**

Initials	Publication No.	Pub. Date	Name	Class	Sub-class	Filing Date

**FOREIGN PATENT DOCUMENTS**

Initials	Document Number	Date	Country	Name	Translation? Yes/No/n/a
	WO 95/01624	1/12/95	PCT	MIT	n/a
	WO 98/34269	8/6/98	PCT	CIT	n/a
	04058429	2/25/92	EPO	Matsushita Electric Works	n/a

**OTHER DOCUMENTS (Title, Author, Date, Pages, Etc., if known)**

	IBM Technical Disclosure Bulletin, Vol. 30, No. 6, November 1987, page 393
	IBM Technical Disclosure Bulletin, Vol. 36, No. 07, July 1993 Page 45
	Patent Abstract of Japan, Publication No. 04058429, Feb. 25, 1992, for Matsushi

Examiner's Signature:

Date Considered: 9/01/04

Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered.